

MICHIGAN TECHNOLOGICAL UNIVERSITY

Houghton 49931

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Michigan Technological University

Established by Act 70 of 1885, the Michigan Mining School first offered instruction to students on September 15, 1886. The name was changed to Michigan College of Mines in 1897 and to Michigan College of Mining and Technology in 1927. The most recent name change to Michigan Technological University in 1964 was made to reflect the broad spectrum of programs offered in the physical, biological and social sciences; engineering; forestry; business; the liberal arts; and technology.

Undergraduate Programs

The Bachelor of Science degree is conferred in accounting, anthropology, applied ecology and environmental sciences, applied geophysics, applied physics, audio production and technology, biochemistry and molecular biology, bioinformatics, biological sciences, biomedical engineering, chemical engineering, cheminformatics, chemistry, civil engineering, computer engineering, computer network and system administration, computer science, computer systems science, construction management, economics, electrical engineering, electrical engineering technology, engineering management, environmental engineering, exercise science, finance, forestry, geological engineering, geology, management, management information systems, marketing, materials science and engineering, mathematics, mechanical engineering, mechanical engineering technology, medical laboratory science, operations and systems management, pharmaceutical chemistry, physics, physics secondary education, psychology, scientific and technical communication, social sciences, software engineering, sound design, sports and fitness management, statistics, scientific and technical communications, geology - earth and space science and integrated science, surveying engineering, theatre and entertainment technology, and wildlife ecology and management.

A Bachelor of Arts degree is conferred in liberal arts with concentrations in English, secondary education English, liberal arts, and history. A BA is also offered in communication, culture and media, modern languages, scientific and technical communication, sound design, and theatre and electronic media performance.

Teacher Certification

The Department of Education, in cooperation with academic departments, offers programs leading to secondary school teacher certification in biological sciences, chemistry, clinical laboratory science, computer science, earth science, economics, English, integrated science, mathematics, physics, social studies, and technology and design. Graduate programs for professional educators are offered in applied science education and earth system science.

Graduate Programs

A Master of Science degree is offered in applied cognitive science and human factors, applied ecology, applied natural resources economics, applied science and mathematics, biological sciences, biomedical engineering, chemical engineering, chemistry, civil engineering, computer engineering, computer science, data science, earth systems science, electrical engineering, engineering mechanics, environmental engineering, environmental engineering science, environmental and energy policy, forest ecology and management, forest molecular genetics and biotechnology, forestry, geological engineering, geology, geophysics, industrial archaeology, integrated geospatial technology, kinesiology, materials science and engineering, mathematical sciences, mechanical engineering, medical informatics, mining engineering, OSM/VISTA programs, and Peace Corps Master's International programs, physical therapy, physics, psychology, and rhetoric, theory and culture.

A Master of Engineering degree is offered in civil engineering, engineering, environmental engineering, and hybrid electric drive vehicle engineering. A Master of Business Administration and a Master of Forestry also are offered.

A doctoral degree is offered in applied cognitive science and human factors, atmospheric physics, biochemistry and molecular biology, biological sciences, biomedical engineering, chemical engineering, chemistry, civil engineering, computational science and engineering, computer engineering, computer science, electrical engineering, environmental and energy policy, engineering physics, environmental engineering, forest molecular genetics and biotechnology, forest science, geological engineering, geology, geophysics, industrial heritage and archaeology, materials science and engineering, mathematical sciences, mechanical engineering - engineering mechanics, mining engineering, physical therapy, physics, psychology, and rhetoric, theory and culture.

Research Agencies

Specialized research units include the Advanced Power Systems Research Center, Advanced Sustainable Iron and Steel Center, Biotechnology Research Center, Center for Agile and Interconnected Microgrids, Center for Computer Systems Research, Center for Environmentally Benign Functional Materials, Center for Water and Society, Computational Science and Engineering Research Institute, Earth, Planetary and Space Sciences Institute, Ecosystem Science Center, Great Lakes Research Center, I-Enable, Institute of Materials Processing, Keweenaw Research Center, Michigan Tech Research Institute, Michigan Tech Transportation Institute, Multi-Scale Technologies Institute, Pre-College Innovate Outreach Institute and Sustainable Futures Institute.

Accreditations

The university is accredited by the North Central Association of Colleges and Schools, the Higher Learning Commission. Its curricula in the following fields of engineering are accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET): biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, engineering (interdisciplinary or special focus), environmental engineering, geological engineering, materials science and engineering, and mechanical engineering. The following programs in engineering technology are accredited by the Engineering Technology Accreditation Commission of ABET (ETAC-ABET): electrical engineering technology and mechanical engineering technology. The construction management program is accredited by the American Council of Construction Education (ACCE); the computer network and system administration program is accredited by the Computing Accreditation Commission of ABET (CAC-ABET); and the surveying engineering program is accredited by the Engineering Accreditation Commission of ABET (EAC-ABET).

The curriculum in chemistry is certified by the American Chemical Society. Fourth-year instruction in the clinical laboratory science 3+1 option is carried out in hospitals accredited by the National Accrediting Agency for the Clinical Laboratory Sciences (NAACLS).

The Bachelor of Science in Forestry and Master of Science in Forestry programs are accredited by the Society of American Foresters.

All School of Business and Economics undergraduate degrees (accounting, finance, management, management information systems, marketing, and operations and systems management), as well as the MBA, are accredited by the Association to Advance Collegiate Schools of Business (AACSB). Accounting students may qualify to sit for professional certification exams, including the CPA exam, by choosing appropriate coursework.

The Michigan Board of Education approves the secondary teacher certification programs.

<i>Credit Enrollment (fall head count)</i>	<i>2014</i>
Undergraduate enrollment	5,662
Graduate enrollment	1,442
TOTAL	7,104